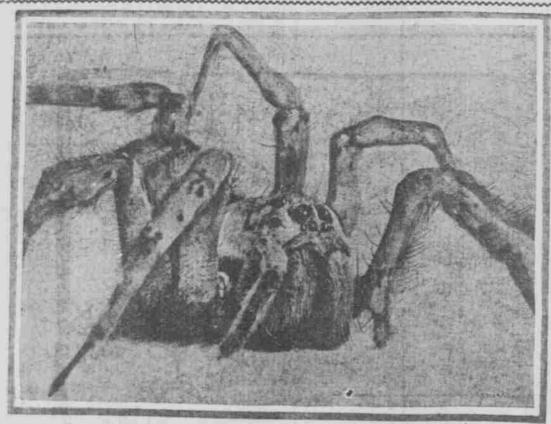
A Wolf Spider Photographed After Being Subdued by a Sand Wasp.



By GARRETT P. SERVISS.

In this stry to persuade us that spider. The really admirable creatures and considerable resolution to enable anyong the put a finger upon a spider. There is something in the structure and attitude of these eight-legged, multiple serves. They look like little demonshed us to stand our ground in the structures and sulfine use to stand our ground in the presence of a spider. Imagine a spider is big as an elophant:

The realure photographed on this age belowns to the meet nerve racking ranch of the spider. The contractive racking ranch of the spider. The contractive racking ranch of the spider race, the "wather spiders," and sharp as needles, and each has a spider which have been compared to lee longs rank of the spider race, the "wather spiders," They spiders, and sharp as needles, and each has a spider and spiders, and sharp as needles, and each has a spider which have been compared to lee longs race to the "wathers," and possession of the processing spiders, which are to spider. They spide the spider race, the "wathers are spiders." The other hanch consistent in the spiders, and they are mere the contraction on the spiders and the spiders and the spiders, and they are mere to their shape, and whose points are as along an end of a spider which have been compared to lee longs really spiders, which are to spide the processing spiders, which are to spide the contraction of the unitary spiders, which are to spide the processing of the unitary spiders, which are to spide the processing of the unitary spiders, which are to spide the processing of the unitary spiders, which are to spide the processing of the unitary spiders, which are to spide the processing of the unitary spiders, which are to spide the processing of the unitary spiders, which are to spide the processing of the unitary spiders, which are to spide the processing of the unitary spiders, which are to spide the processing of the unitary spiders, which are to spide the processing of the unitary spiders, which are to spide the proces

This "Wolf Spider" Was Caught in Ontario by a Naturalist.

U. S. Navy Strong In Armored Cruisers; Type That Is Most Used In World Strife

Rene Bache

Ten of the Pinest Ships of the Armored Cruiser Type in the World Are in the American Navy; Corn Pith De-clared Best for Armor Plate.

Many of the best qualified military experts are of the opinion at the great European war is rapidly and did not lose a single man. VV itary experts are of the opinion that the great European war is rapidly nearing its and. It will leave the world's affairs in a disordered state. nd some think that a conflict will folver unwillingty, to assume the part of belligueent.

important role would be played by a ms of fighting vessels in our navy which seems recently to have been almost forgotten. It comprises 10 of the most formidable armored cruisers to the comparable to the Bluchet, in the recent North sea encounter, every efficient auxiliaries in bathuy could, by reason of their swifts sweep the reas of an enemy's com-

the fighting line. Their speed 12% to 25 brots) was considered extraordinary a donen years ago, when 18 knots was 5 fast tail for a batheship.

They might be described as "almost misters" each of the 18 being a little over 500 foot long, with a displacement of 1888 to 14,500 tons. In respect of armament they vary a little, the West Virginia, for example, earrying four 8-inch and 14 6-inch guns in her main hattery, while the Montana, North Carolina and Tennessee have each of them four 10-inch and 16 6-inch guns. Some of them have 8-inch and others 6-inch armor beits.

First Attempt at Combination Vessel, First Attenue at Combination Vessel. The armored cruiser was the first attempt at a combination of the haltleship and cruiser types. It has been tried out in a very thorough way during the present war, and the showing it made in the sox fight off the coast of Chile (which the Gormans won), in the subsequent corragement near the Falkland felands (where the British were the rictors), and afterwards in the North Sea buttle, has afforded an interesting and profitable naval lesson. In the armored cruiser speed is a prime requisite. Accordingly, our half-score vessels of the Boutura class are equipped with huge quadruple-expan-

they can travel twice across the action tile without replenishing their fuel sup-

Was Hattle of Cruisers.

None of the ships that took part in the ses fight off the coast of Chile was so well armed or otherwise so formidable as those of our Montana class. It was a battle of asmored cruisers, and the reason the Germans woo was simply that their vessels of this type were newer, swifter, and provided with gons of longer range. They were thus enabled to fight at the time they chose, and to pick their own position and distance, particularly with reference to doing the most damage while themselves suffering as little as possible from the enemy's fire.

The British ships were the Monmouth and Good hope (armored cruisers), the Hassow (a light cruiser or scout) and an armed liner, the Otranto. The Monmouth was of 2880 tons. She carried it 8-luch guns, and had a 4-inch armor belt. The Good Hope, of 14.100 tons, and 16.5-inch guns. Was Battle of Cruisers.

had a 6-inch belt and carried two 6-inch and 16 5-inch guns.
Opposed to them were the Scharnberst and Guelsenau, armored cruisers tand sister ships) of a newer and much improved type—each of them of 11,600 tons and carrying sight 5-inch and six 6-inch guns, with a 6-inch belt of steel. Three light cruisers—the Leipsig. Burnbers and Dresden—completed the little squadron, which for a long time has been preying on British commerce in the Pacific.

The Germans waited until night was

Von Spec's III Luck.

Ven Spec's III Luck.

The commander of the German squadron was admiral Von Spec, one of the eleverest and most capable officers in the kniser's navy. He knew how to fight, and he also knew how and when to tun away. But in the subsequent event luck was against him. He had no information of the fact that the British admiralty was sending battle cruisers to chase and destroy him. Indeed the matter was kept so secret that only two or three persons in England knew of it the avengers being dispatched with sealed orders.

The avengers did not themselves know where Von Spec was; for he was an exceedingly artful dodger. They had stopped at the Falkland islands, in the South Atlantic, not far to the nurheast of Cape Horn, to get fresh water, and had no notion that the German squadron was anywhere in the neighborhood. But, by mere chance, it so happened that Von Spec turned up at the same place, possibly needing water, or perhaps contemplating a raid—ite Falkans being British properly. The surprise and delight of the British commander, Admiral Sturdee, may well be imagined. Here was his much-

b commander, Admiral Sturdee, may well be imagined. Here was his muchdesired prey actually coming to be
caught. Jumping at the opportunity
thus offered he sent dut of the harbor
a couple of light cruisers, the Bristol
and Giangow, for bait. As he expected,
the Germans promptly started to chase
them. But what was the automishment
of Yon Spee when two huge battlerruisers presently made their appearance
and proceeded to hunt for him. It was
like the case of a man, who, pursuing
deer, is suddenly confronted by a pair
of tigers.

and proceeded to hunt for him. It was like the case of a man, who pursuing deer, is suddenly confronted by a pair of tigers.

The huttlecruisers were the Invincible and Inflexible, twin armored ships of 17,250 tons, each of them carrying eight 12-inch and 16 4-inch guns. If these alone had been opposed to Von Spec, he would have had no chance; for not only was their armament incomparably superior, but they were much swifter (with a speed of 20 knots) than any vessel in his little squadron. In the latter respect they would have had a great advantage under the best of conditions; but the German ships had been cruising for a long time, their bottoms were foul, and the utmost speed they could attain was far below the normal.

Strongly Supported.

speed they could attain was far below the normal.

Sirongly Supported.

The two battlecruisers, however, were supported by formidable auxillaries, three armored cruisers (the Kent, Cornwall and Carnayron), and a back number, yet efficient, hattishin, the Canopus. The Cornwall and Kent were sister ships, of 2500 tons, each of them carrying 14 6-inch guns. The Carnarron was of 18,550 tons, and had four 7 1-2-inch and six 6-inch guns. The Canopus (12,550 tons) carried four 12-inch and tweive 6-inch rifles; but she took no important part in the fight because she was to slow to keep up with the chase.

The fight off the coast of Chile was a "broadside engagement." It was entirely a different affair near the Falk-land Islands, a running fight, in which the German squadron, utterly outchassed, made a hopeless effort to get away. The battle lasted all day, with intermittent firing. Admiral Sturdes was in no hurry; he took his time. It was manifestly impossible for the Germans to get away, and so he set about the business of destroying them at

mans to get away, and so he set about the business of destroying them at

the business of destroying them at leisure.

The problem, from his point of view, was not how to win—for he could not help winning—but how to destroy the enemy while himself suffering as little as possible. So he took his time. He would fire, get the range freshly and accurately, and fire again. As a result, the German ships were sunsk one after another, the British vessels being not materially damaged, and the total less on board of them amounting to only seven men killed and wounded.

some and carrying eight s-inch and six selects pure with a 6-inch belt of steel. Three light cruisers—the Leipsig, Burnberg and Dreeden—completed the materially dismaged, and the total ines on board of them amounting to only has been praying on British commerce in the Pacific.

The Germans waited until night was falling, and then took up their pesition between the enemy and the setting aug. In the fight that followed the British gunners could hardly see what they were soon put out of action and sunk by the long-range S-inch rifles of the Germans abips were sunk ore affect in the Germans waited until night was falling, and the rollowed the British gunners could hardly see what they were soon put out of action and sunk by the long-range S-inch rifles of the Germans abips were sunk ore affect in guns cannot find war for warlike deconstrations and there may be some seet of a navel entire may be subject to a planetary government this mouth, which promises the ferms abips were sunk ore affectable.

The Germans waited until night was falling, and the roll ines of the great and wounded.

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The Germans waited until night was falling, and the roll ines of the great profit. Hotel proprietors, and all who contribute to the holiday armored cruiser, less swift, less heavily armored and inferior in guns, cannot still the great and all who contribute to the holiday armored and inferior in guns, cannot still proposition have been offered during the present war so convincingly by the long-range S-inch rifles of the proposition have been offered during the present was of creating and all who contribute to the holiday

Wisdom From Spiders

Success Lessons Are Taught To Men By the Industry and Perseverance of the Spider.

BY MADISON C. PETERS.

N THE Proverby we read: "The spi-der taketh hold with her hands and is in the Kings' palaces." What a success lesson in this spider, where inthe king's palace.

That was a long distance for the spider to climb, it must have started from the foot of the outside wall of Solomon's palace and gone over the panels of Lebanon cedar, higher and higher, until it stood higher than the highest throne in the world. And so God has decreed that they who "Take hold with their hands" shall attain to the king's

palace.

It was neither luck nor chance, but sheer hard work which enables all our great mes to force their way upward in the face of manifold obstructions. Our most successful men have been among the least believers in the power of genius and were as persevering as the successful men of a commoner sort.

Haydn said of his art: "It consistes in taking up a subject and pursuing it. Sir Joshua Reynolds was such a believer in the force of industry, that he held: "Excellence in art, however expressed by genius may be acquired."

Lord Chesterfield, who acquired a polished style which made his name immortal for many years wrote down every brilliant passage he met with in his readings.

Forty Years On a Sermon.

Lyman Beecher's great sermon was on "The Government of God". Asked one day as he descended from the pulpit's steps how long it took him to prepare that sermon repiled: "About 49 years, air." I have known men to prepare a sermon in forty minutes and who were wondering why they were preaching to a lumber yard.

Why is it that the busisest men are always called on when anything is to be done? You might think that men who had nothing to do would be called on, but not so, the only men who have time for everything are the men who are doing things all the time. They have so trained themselves as never tooleave their time unemployed.

Success is ever on the side of the hustler as whits and waves are always on the side of the best navigator.

The molding influence of a man's life is something to do. Your business will make you harden your muscle atrengthen your mind, correct your judgment, wake up your inventive genius, put your wits to work, arouse your ambition, make you feel that you are man and must show yourself a man by taking a man's part in life.

No Progress is Gileness.

Idleness never made its way in the world and it never will. Some men are always looking for a snap, and hence swindlers find it easy to make a living out of the guilible. A facetious crook advertised that for the sum of one dollar be would give the secret of increasing money fourfold. His reply to his artless dupes was, "take a deliar hill, double it twice and when you open it you mild find it in creases four fold," and the fisher got the sucker.

A success saying which has gone the the round's has it that some men succeed by great them. Hard

Fell but Not Described; How to Find Situs.

Fig. 10 armster the Blucher was entitier armstered to the birth-place of all places of the strain the search that the search that the search that fire upon her and send her to be a strain that fire upon her and send her to be a strain that fire upon her and send her to be a strain that fire upon her and send her to be a strain that fire upon her and send her to be a strain that fire upon her and send her to be a strain that the search that the great "both that the crime of our 10 kg and the search that the great "both that the crime of the advance of agring he and the rest in the search that the great "both the search

There is a happy augury for those who visit friends or relatives and the conditions are propitious for asking favors of any sort, unless the person addressed be old. Saturn makes the aged difficult to deal with, while this configuration prevails.

Accidents in tunnels or excavations of any sort are supposed to be more mmon than at other times when the stars are posited as they are today. Advertising is subject to the most enouraging and profitable rule. Again benefits for editors and publishers are

This should be a fortunate time for writing letters. Autographs have a peculiar value while this planetary

and create a sensation.

Thert is a sign said to indicate danger for a cabinet minister in England. e star seems to suggest some per-nal weakness that will bring disaster

to many.

Holland has the prophecy of serious difficulties, owing in the fact that the kalser's Mars is in Queen Wilhelmina's ascendant and this is believed to denote damage and possible annexation. for the country.

Japan has persistent prognostications of war or warlike denonstrations and there may be some sort of a nayal engagement before midsummer, the seers

While this rule continues it is wise to postpone initiative of any nort. The signs are forbidding for specu-

lation, especially whatever concerns Editors should delay important matters until a better sway. Political publicity and articles intended to mold

licity and articles intended to mold public opinion are subject to influence believed to prevent conviction.

Dark places of all sorts are held to be especially dangerous during the sinister rule of Saturn. Robberles and violence meant to bring about unlawful gain are said to be common under this government of the stars.

There is a sign as indicating a movement meant to overthrow some entablished system of estimate in commercial matters. This has in it the element of graft and implies serious loss, the seers declare.

ment of graft and implies serious loss, the seers declare.

While Neptune is in the place occupied during this configuration, graft and fraud are supposed to be easier than usual. It is well to guard against schemers of every sort for they will multiply greatly.

Vituperation and personalities are supposed to be impired by the signs which will prevail during the next few months. Political contests will become more and more violent as the campaigns proceed.

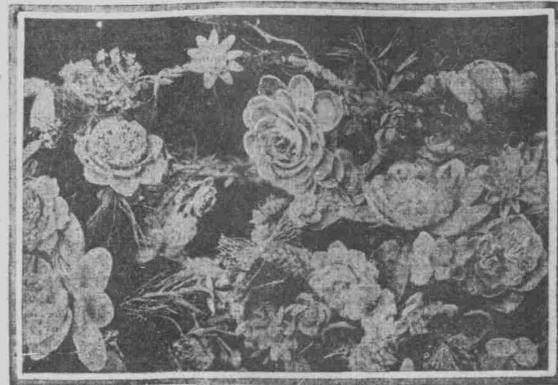
Conditions which affect men's contests for power will be apparent in women's organizations, astrologers announce, and spirited struggles for hon-

unce, and spirited struggles for hon-

Shells As Things of Beauty

Some of the Uses to Which They Have Been Put.

Part of a Shell Basket Made by the Indians of Lower California.



BY GARRETT P. SERVISS. BEAUTIFUL shells were among the first objects of adornment for his person and his dwelling that were devised by man, and their forms and colors furnished some of his earliest

lessons in esthelic education.

Shells were also one of the first kinds of money. For the American Indians wampum beads made from shells took the place of gold. The ornamental uses of shells, as La P. Gratacap shows of shells in the inspectations of flowers, although his agreement of the surprise felt that two such essentially different natural objects can be made to resemble each other that affer for the pleasure given by the sight of a basket, or garland of shell-flowers.

Petals, stamens, pistils, leaves, stems, are all imitated in shell forms, while a color-tints and biendings it is questionable whether some shells are not superior to flowers. In the property of iridescence the finer shells certainly possess an advantage over any vegenable substance. Pearls are a kind of shells, held in shape by fine wires. Flower baskets made of shells by the lating of the substance. Pearls are a kind of shells, held in shape by fine wires of shells more truly established to get the substance. Pearls are a kind of shells, held in shape by fine wires of shells more truly established to get the substance. Pearls are a kind of shells, held in shape by fine wires of shells more truly established to get the substance. Pearls are a kind of shells, held in shape by fine wires of shells more truly established to get the substance of their skill in making shell flowers and some expulsite specimens of their work are to be seen in the museum in Central Park West. Baskets and flowers are slike which are formed of abalone shells supthe place of gold. The ornamental uses



ported by scaliorars, the latter and the outside of the shells being coated with silver. The nacreous splender of the inner side of the abalone shells, forming the interior of the dishes, is remarkably attractive.

markably attractive.

But it is when shells are employed not to imitate something clae in nature but for the sake of their own beauty that the most admirable emamental effects are obtained with them. This principle does not forbid their use in the form of headdresses, belts, pendants, etc.

Thus at the average them.

The Wisdom of the Stars

It Is Not Astrology, It Is Not Astronomy; It Is the Inspiration That Can Be Felt but Not Described; How to Find Sirius.

Girl Workers Who Win Out

The Actress Who Kept Her Sense of Cheerfulness. By JANE MeLEAN,

Hy Jane

Bella name was Maggie Murphy, but she had changed it to Bella North. She had the good sense not to adopt too queer a non deplume, but the requisites of the stage seemed to demand something more cuphonious than her own name.

Bella North was not ashamed of the name of Murphy. She had been happlest when she had lived at home and she vaguely remembered a kind-heaged mother and a father who used to come home tired out at night, and all down to a heaty meal in his shirt sleeves. There had been other children, too, and Bella had had to work hard, for in those days there hadn't been much money.

Wants to See Sights.

Finally she had waved up enough to come to New York. Like many another girl she had wanted to see the Bella Had Her Chause.

Bella Had Her Chause.

been much money.

Wants to See Sights.

Finally she had saved up enough to come to New York. Like many mother girl she had wanted to see the sights, and her father's small farm had appealed to her only as a shelter from had weather. Not much of a shelter at that, for she had slept with two of the younger children. The inxury of a single bed had been unbroken in the Murphy family.

Murgie was Irish, and quick at repartee. Her brain worked overtime beneath the Titian hair that curied tightly over her head. Her small savings had vanished all too quickly and lobs in New York were not plentiful. Besides Maggie had not been trained for any of the positions open to girls in New York. And so she finally larded on the stage.

Her Irish wit combined with her piquant face and her crown of curiy red hair had quickly obtained her a did it well, very well, so well indeed, a did it well, very well, so well indeed, a

that she was noticed in that tangle of beauty and charm and music and

And Bella was happy. One stepping stons always led to another. She was young and strong and could wait. Some day she could return to the little farm in the country and tell the other Murphys she had made good.

OPHELIA &

